BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : IMPROVEMENTS TO ROADS AND DRAINS AT VIKAS LAYOUT IN WARD NO.01 OF YELAHANKA SUB DIVISION

								Estimate Cost Rs.	20.00	Lakhs
Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount	
1	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3)KPWD S.R 2016-17									
	Vikas Layout	Cum								
			1	246.00	0.80	0.95	186.96			
					Total Qty		**186.96**	222.38	**41575.68**	
	Basic Rate	189.00								
	AD-HOC 11%	20.79								
	Sub-Total	209.79								
	Area Weightage @ 6%	12.59								
	Total	**222.38**								
2	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)									
		Cum								
					Qty Vide Item No.1		**186.96**	111.00	**20752.56**	
	Average Weight of Earth 1.28 Tonne/Km									
	Basic Rate Lead Charges for 10.00 Kms (2.50X1.28X10.00)	32.00								
	Add loading and unloading Item No 17.1)	68.00								
	Sub-Total	100.00								
	AD-HOC 11%	11.00								
	Total	**111.00**								
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.3)									
	Vikas Layout	Cum								
			1	246.00	0.80	0.15	29.52			
					Total Qty		**29.52**	5726.51	**169046.64**	
	Basic Rate	4867.00								
	AD-HOC 11%	535.37								

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Sub-Total	5402.37							
	Area Weightage @ 6%	324.14							
	Total	**5726.51**							
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC cement at 300kgs. with 20mm and down size granite metal coarse aggregates at 0.69cum and fine aggregates at 0.43cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No.1500, 1700, 2200. -do- Wall and bottom thickness 15cm (P.No.265 / It.No.37.59.2)								
		Cum							
	bed		1	246.00	0.80	0.15	29.52		
	side wall		2	246.00	0.15	0.60	44.28		
					Total Qty		**73.80**	12246.05	**903758.70**
	Basic Rate	10408.00							
	AD-HOC 11%	1144.88							
	Sub-Total	11552.88							
	Area Weightage @ 6%	693.17							
	Total	**12246.05**							
5	KSRB 4.9.2:Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3-do-TMT Bars Fe 500 P.17/It.No.4.46.2 (rates effects from 01-07-2017)								
		tonne							
		50% of Qty Vide item No.4				in Qtl	36.900		
						in tonne	**3.690**	71310.20	**263134.62**
	Basic Rate	60607.00							
	AD-HOC 11%	6666.77							
	Sub-Total	67273.77							
	Area Weightage @ 6%	4036.43							
	Total	**71310.20**							
6	Providing and fixing **RCC precast Slabs of 0.10 m thick of CC 1:2:4 with 20 mm** and down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete								
	Vikas Layout	Sqm							
			1	246.00	0.75		184.50		
					Total Qty		**184.50**	2100.00	**387450.00**
	Data Rate	**2100.00**							
	5.29(b)Providing and fixing **pre cast solid cement concrete kerb stones** made out of No.272.21 C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete (P.No.25 /It.No.5.30)								
		No							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
			1	246.00		268.00 / 0.45	546.67		
						Say	**546.67**	368.28	**201324.00**
	Basic Rate	313.00							
	AD-HOC 11%	34.43							
	Sub-Total	347.43							
	Area Weightage @ 6%	20.85							
	Total	**368.28**							
8	KSRB 15-19.2 :Providing and applying **ready mix priming coat** over concrete/masonry/asbestos cement sheet/plastered surfaces including preparing the surface after throughly cleaning of oil,grease,dirt and other foreign matter and sand papering including cost of materials, labour, complete as per specifications. (Page no.121 / It no.15.80)								
		Sqm							
			1	246.00		0.40	98.40		
						Total Qty	**98.40**	30.59	**3010.00**
	Basic Rate	26.00							
	AD-HOC 11%	2.86							
	Sub-Total	28.86							
	Area Weightage @ 6%	1.73							
	Total	**30.59**							
9	KSRB 800-1.Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. (Page No.182 & Item No.24.1)								
		Sqm							
						Qty Vide Item No 8	**98.40**	70.60	**6947.00**
	Basic Rate	60.00							
	AD-HOC 11%	6.60							
	Sub-Total	66.60							
	Area Weightage @ 6%	4.00							
	Total	**70.60**							
10	Miscellaneous and unforeseen charges	LS							**3001.00**
						Grand Total Amount			**2000000.00**

(Rupees Twenty Lakhs Only)

TECHNICALLY SANCTIONED FOR Rs. 20.00 lakh
Rupees ....Twenty Lakhs.....
.....only.....
Under .....P:17771.....
.....
Received CE ( ) No. 99
Subject to conditions contained in
enclosed memo EE ( ) No. ...../9/
Dt. ..... Estimate A/ Sanctioned
EE/YNK/TS/246/17-18
Dated ..... 16.02.2018 Rs. 20.00 Lakhs
Executive Engineer

CERTIFICATE

1) The site has been inspected and the work is found to be necessary.
2 The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle.
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.
5) This work is not repeated in any other programs or Grants

Assistant Engineer
Ward No.01

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

Executive Engineer
Yelahanka Division
B.B.M.P

Administrative Approval
Accorded For Rs. 20.00 Lakhs
Head of A/C P:17771
CER NO : 225 Dt: 8.2.18

TA CE (YNK)

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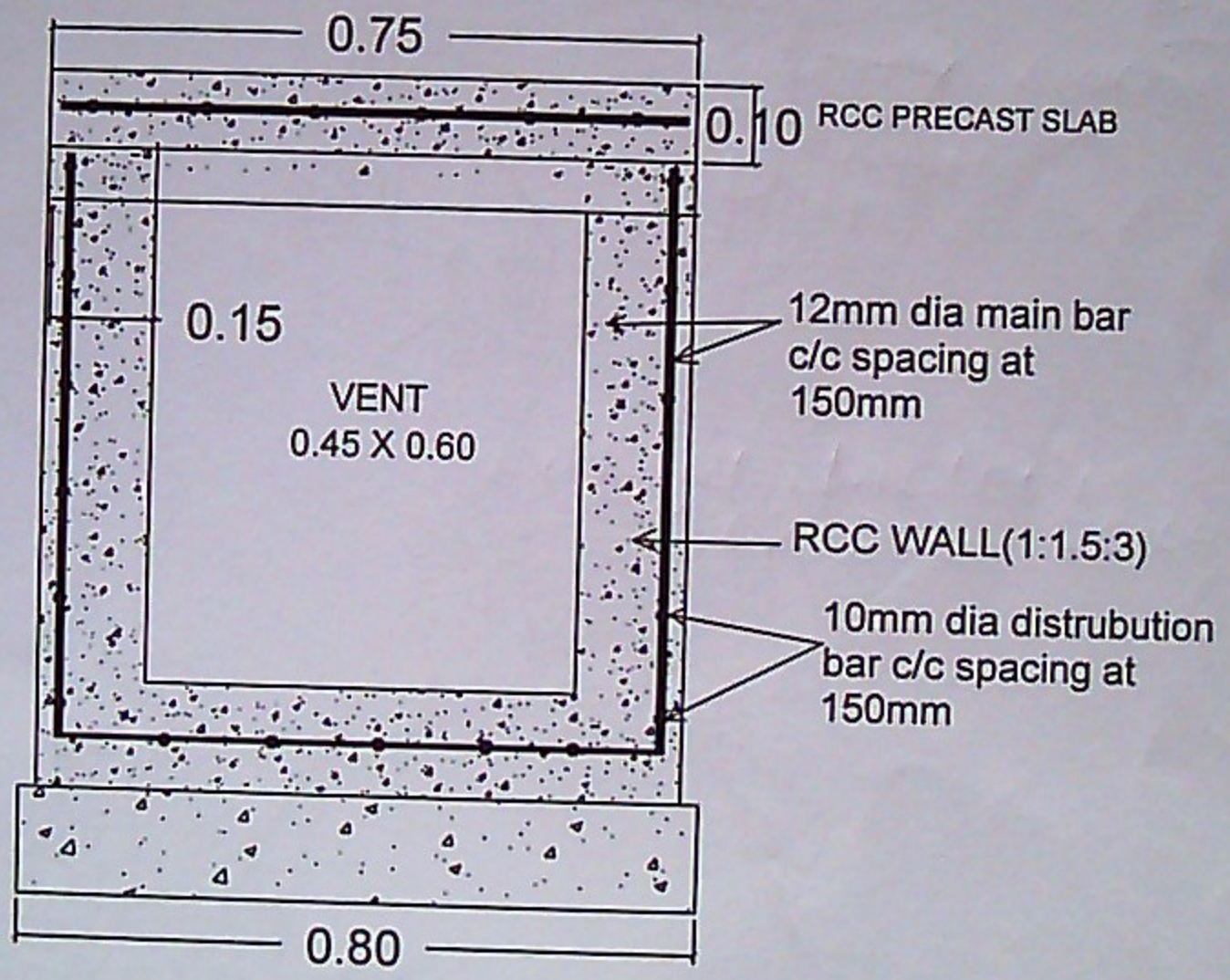

TYPICAL CROSS SECTION OF RCC DRAIN

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

YELAHANKA ZONE
WARD 1-KEMPEGOWDA WARD

©

AREA 10.7 Sq Km

No of Properties : 7284	
Apartment	1
Commercial	240
Educational Institutions	10
Govt. Office	11
Industrial	1
Open Space	1007
Park	1
Residential / Commercial	146
Residential	6412
Under Construction	111
Vacant Plot	2042
Warehouse	43
No of Roads : 134	
Intermediate Road	10
Major Road	1
Minor Road	123
Total Length of Roads (In Meters)-86056.0	
Intermediate Road	4355.0
Major Road	11473.0
Minor Road	70228.0

Legend

- Major Road
- Intermediate Road
- Minor Road

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore